The Monitor

The Newsletter of the ETV Advanced Monitoring Systems (AMS) Pilot

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Technologies Head for "Big Finish"

Four categories of air and water monitoring technologies are heading for the "big finish" – verification tests – this summer and fall under the Advanced Monitoring Systems (AMS) pilot. They are:

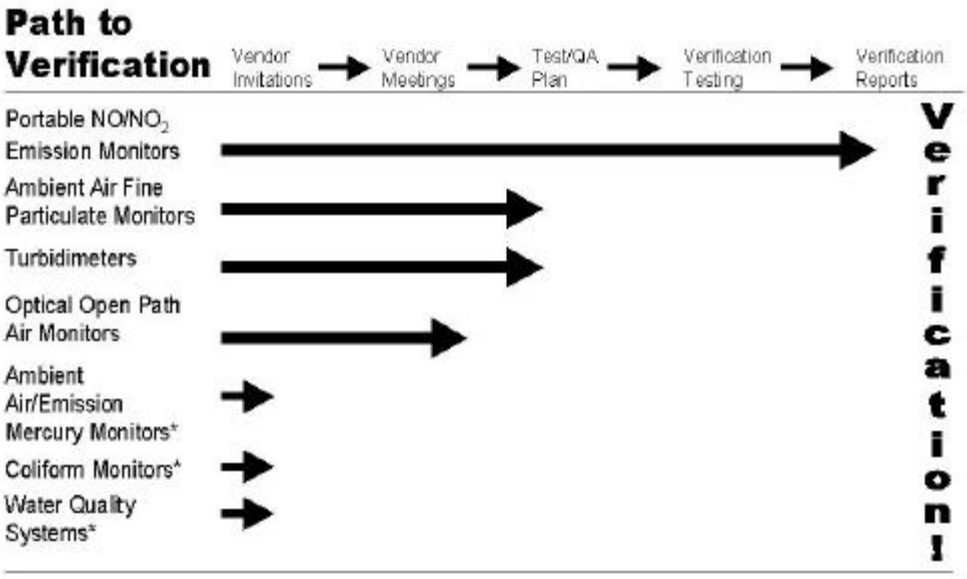
- Portable NO/NO_2 Emission Analyzers
- Ambient Air Fine Particulate Monitors
- Turbidimeters
- Optical Open Path Air Monitors.

The accompanying graphic depicts the path vendors are following to reach the goal of receiving a verification statement from the U.S. Environmental Protection Agency's (EPA) Environmental Technology Verification (ETV) program. A verification statement has advantages for vendors, such as adding credibility through third-party testing, facilitating the permitting process in multiple states and localities, and validating marketing messages.

The last step before vendors decide whether to participate in verification tests is a meeting for each technology category where vendors can learn more about the ETV process, contribute to the verification test/quality assurance plan, ask questions, and discuss testing methods, parameters, and schedules. Vendor meetings are being held throughout the spring and summer by Battelle, EPA's partner in the AMS pilot, at the company's facilities in Columbus, Ohio.

Several of the AMS pilot's stakeholders have volunteered to assist in getting vendors to the "big finish." At the vendor meeting for ambient air fine particulate monitors in February, stakeholder Lee Ann Byrd and Rich Scheffe, both from EPA's Office of Air Quality Planning and Standards, discussed seasonal issues that might affect test sites. Ms. Byrd also emphasized the urgency of completing tests before funds for such monitoring equipment were no longer available to the states.

Notices of vendor meetings are posted in the Commerce Business Daily. Additional information about the AMS pilot, including vendor meeting schedules and test results, is provided on the ETV website (http://www.epa.gov/etv/07/07_main.htm) as soon as they are available. For further information, vendors should contact Helen Latham at Battelle (see green box below).



*Possible upcoming technology categories.

See ETV at AWMA's Meeting in St. Louis

Perspectives on the ETV program will be the subject of a panel at the 92nd Annual Meeting of the Air and Waste Management Association, June 20-24, in St. Louis, MO.

The panel will be co-chaired by Penny Hansen, director of EPA's ETV program, and Karen Riggs, Battelle's manager of the AMS pilot. Panelists will represent other ETV pilots and points of view, including regulators, technology users, and vendors.

The AMS pilot is one of 12 pilots in the U.S. Environmental Protection Agency's Environmental Technology Verification Program. ETV was established to accelerate the development and commercialization of improved environmental technologies through third-party verification testing and reporting of the technologies' performance. The ETV process provides purchasers and permitters with an independent assessment of the technology they are buying or permitting and facilitates multi-state acceptance. For further information, contact Helen Latham at Battelle, 505 King Avenue, Columbus, OH 43201-2693; Phone 614-424-4062; Fax 614-424-5601; E-mail lathamh@battelle.org.

Meet the Stakeholder Committees

Two members of the AMS pilot's stakeholder committees are spotlighted in each issue of *The Monitor* – one each from the air and water committees.

Richard Sakaji
Water Stakeholder Committee

Dr. Sakaji is a senior sanitary engineer in the Division of Drinking Water and Environmental Management of the California State Department of Health Services (DHS). His current responsibilities include reviewing testing protocols for new water and wastewater treatment processes to ensure that they perform to accepted treatment practices. He also develops policy for water treatment unit processes and for wastewater reclamation practices, including indirect potable reuse applications. In previous assignments with DHS, Dr. Sakaji designed water quality studies, helped develop water quality regulations, prepared the state's comments on federal drinking water quality regulations, and served as the state's representative to state and local technical advisory committees. He has also provided engineering support to the Alameda County Water District and the East Bay Municipal Utility District.

Dr. Sakaji received Ph.D., MS, and AB degrees in various science and engineering specialties from the University of California (Berkeley). He is a member of several trade and professional associations, including the American Chemical Society and the Water Environment Federation, and has authored papers for numerous water-related conferences and symposiums.

Donald Stedman
Air Stakeholder Committee

Dr. Stedman is the Brainerd F. Phillipson Professor of Chemistry at the University of Denver and has authored more than 175 refereed publications and book chapters in atmospheric chemistry, chemical kinetics, trace gas analysis, chemiluminescence, and remote sensing. His articles, for example, on vehicle exhaust emissions have appeared in publications such as *Science* and the *Journal of the Air and Waste Management Association*. Before coming to the University of Denver, he was a professor at the University of Michigan in both the departments of chemistry and atmospheric and oceanic science. Earlier he was a senior research scientist at the Ford Motor Company.

Dr. Stedman has served on several national committees, including the Committee on Airline Air Quality of the National Academy of Science's National Research Council and the Special Study Sections of the National Institutes of Health. He has received honors and awards from the American Chemical Society, the Air and Waste Management Association, and other institutions. He has Ph.D. and M.Sc. degrees from the University of East Anglia, England, and a B.A. from Cambridge University, England.

Stakeholders Take on New Responsibilities

Discussions of the continuing roles of stakeholders and the next technology categories to be tested highlighted meetings of the AMS pilot's water and air stakeholder committees in February and March respectively.

"Stakeholders have been important contributors during the first 18 months in helping us prioritize the technologies to be tested," said Karen Riggs, Battelle's manager of the AMS pilot. Now, with several technologies moving to verification testing, the role of stakeholders is being expanded, she explained.

The new roles for stakeholders include participating in the initial meeting with vendors, reviewing plans for verification testing, monitoring verification tests, and reviewing test reports. This added stakeholder support will help ensure that verification results are responsive to the needs of and valuable to state and local regulators, technology buyers and users, investment firms, and other interests.

The next technology categories to be tested were discussed at length at both meetings. Stakeholders identified the following priority monitoring needs:

Air technologies. Ambient air and emission mercury monitors, monitors of speciating volatile organic compounds (VOC), ambient monitors for diesel particulate, and in-stack fine particle monitors.

Water technologies. Coliform monitors, particle counters, portable total petroleum hydrocarbon (TPH) probes, and water quality systems.

Stakeholders were also briefed on upcoming EPA regulations. Lee Ann Byrd and Tom Logan, staff members in EPA's Office of Air Quality Planning and Standards, discussed anticipated changes in air regulations. A representative for Bill Telliard of EPA's Office of Science and Technology, a water stakeholder committee member, provided information about upcoming changes in water regulations. The next stakeholder committee meetings will be held this fall.